

SENEY NWR HERBARIUM

This herbarium represents an integral part of the history of the Seney National Wildlife Refuge. The first specimens in the collection date back to 1940. Since then, hundreds of plants have been collected, pressed, mounted, identified, and labeled by over 20 people with an interest in the vegetation of the Refuge. In 1964, Professor Edward G. Voss, a nationally recognized systematic botanist from the University of Michigan, examined the existing plant collection and made many corrections. New specimens (from 2010 onward) were verified by Dr. Anthony Reznicek (University of Michigan Herbarium).

This project has been a cooperative effort by Refuge staff and volunteers. Especially deserving to be singled out is Ms. Laural Tansy (Administrative Technician) who helped save the collection from deprivation by rodents and insects after it was stored for years in an outbuilding. Ms. Tansy also aided on the procurement of a professional herbarium cabinet, which presently houses the specimens, and typed the first draft of this manuscript. The caretaker of this document for the 1990s until 2009 was Dr. Richard E. McNeill (Seney Natural History Association). From 2009 onward, lead for this work was assigned to the Applied Sciences Program under the direction of Dr. Greg Corace working with Ms. Jennifer McDonough (Visitor Services).

Family-level numbering for the seed plants follows *Gray's Manual of Botany* (unknown year); taxonomy and nomenclature according to *Michigan Flora*, Parts 1-3 (1972, 1985, 1996). Taxonomic treatment of the ferns and their allies follows Michigan Flora Online (www.michiganflora.net), which follows Christenhusz, M.J.M., Zhang, X., and Schneider, H. 2011. A linear sequence of extant families and genera of lycophytes and ferns. *Phytotaxa* 19:7–54.

Species in **blue print** are plants which we do not have specimens for in our herbarium, but were identified by the Michigan Natural Features Inventory as occurring in the Strangmoor Bog in 2007 or were identified in other Refuge-based projects (e.g., graduate research projects such as the wetland work of J. Hribljan, Michigan Technological University, *In Prep.*, pool surveys by Dr. Richard Urbanek, etc.). Species in **red print** are those for which specimens were once found in the herbarium, but are not now. Species shown with a “*” are considered non-native (some are considered invasive); a few of these species are a priority for management (see 2013 *Habitat Management Plan*). **Note: The Herbarium does not include algae, bryophytes, fungi or lichen (non-vascular plants).**

PTERIDOPHYTA**1. LYCOPODIACEAE****Dendrolycopodium***Dendrolycopodium obscurum*

Ground Pine, Tree Clubmoss

Synonym: *Lycopodium obscurum***Diphasiastrum***Diphasiastrum tristachyum*

Ground Cedar; Ground Pine

Synonym: *Lycopodium tristachyum***Lycopodium***Lycopodium clavatum***Clubmoss**

Staghorn or Wolf's Claw Clubmoss; Running Ground Pine

Spinulum*Spinulum annotinum*

Stiff or Bristly Clubmoss

Synonym: *Lycopodium annotinum***2. ISOETACEAE****Isoetes***Isoetes echinospora***QUILLWORT FAMILY****Quillwort**

Spiny Quillwort, Braun's Quillwort

Isoetes echinospora muricata (North American subspecies of cosmopolitan *I. echinopora*)**4. EQUISETACEAE****Equisetum***Equisetum arvense***HORSETAIL OR SCOURING RUSH FAMILY**

Horsetail

Equisetum fluviatile

Common Horsetail

Equisetum hyemale

Water Horsetail

Equisetum palustre

Smooth Scouring Rush; Rough Horsetail

Equisetum scirpoides

Meadow, Shade or Marsh Horsetail

Equisetum sylvaticum

Dwarf Scouring Rush; Dwarf Horsetail

Woodland Horsetail

5. OPHIOGLOSSACEAE**Botrychium***Botrypus virginianus***SUCCULENT FERN OR ADDER'S-TONGUE FAMILY**

Rattlesnake Fern

Synonym: *Botrychium virginianum***8. OSMUNDACEAE****Osmunda***Osmunda cinnamomea***FLOWERING FERN FAMILY***Osmunda claytoniana*

Flowering Fern

Osmunda regalis

Cinnamon Fern

Interrupted Fern

Royal Fern

30. DENNSTAEDTIACEAE**Pteridium***Pteridium aquilinum*

Bracken Fern

31. PTERIDACEAE**Adiantum***Adiantum pedatum*

Maidenhair Fern; Northern Maidenhair

32. CYSTOPTERIDACEAE**Gymnocarpium**

Gymnocarpium dryopteris Oak Fern

35. THELYPTERIDACEAE**Phegopteris**

Phegopteris connectilis Northern Beech Fern

Synonym: Thelypteris phegopteris

Synonym: Dryopteris phegopteris?

Thelypteris

Thelypteris palustris Marsh Fern

38. ONOCLEACEAE**Matteuccia****Matteuccia struthiopteris** **Ostrich Fern****Onoclea**

Onoclea sensibilis Sensitive Fern

42. DRYOPTERIDACEAE**Dryopteris**

Dryopteris cristata Crested Shield Fern

Dryopteris carthusiana Spinulose Woodfern

Synonym: Dryopteris spinulosa?

Dryopteris intermedia Evergreen Woodfern

GYMNOSPERMAE (see *Michigan Flora, Part 1*)**13. PINACEAE****PINE FAMILY****1. Larix**

pivea

2. Pinus

1. Pinus strobus

Eastern White Pine

2. Pinus resinosa**Red Pine**

3. Pinus banksiana

Jack Pine

*Pinus sylvestris (not in Voss)

Scots Pine, Scotch pine

3. Abies

1. Abies balsamea

Balsam fir

4. Tsuga

1. Tsuga canadensis

Eastern Hemlock

5. Picea

1. Picea mariana

Black Spruce

2. Picea glauca

White Spruce

CUPRESSACEAE

(Lumped into PINACEA in Grays Manual of Botany, separated in Voss)

1. *Thuja*1. *Thuja occidentalis***2. *Juniperus***1. *Juniperus communis***CYPRESS FAMILY**

Arbor Vitae; White-cedar; "Cedar"

Common or Ground Juniper

MONOCOTYLEDONEAE (see *Michigan Flora, Part I*)**14. TYPHACEAE**

1. *Typha angustifolia*
2. *Typha latifolia*
- *?*T. Typha x glauca*

CAT-TAIL FAMILY

- Narrow-leaved Cattail
Common Cattail
Hybrid of above

15. SPARGANIACEAE

- 1. *Sparganium eurycarpum***
2. *Sparganium minimum*
3. *Sparganium fluctuans*
4. *Sparganium americanum*
6. *Sparganium chlorocarpum*
7. *Sparganium angustifolium*

BUR-REED FAMILY**16. POTAMOGETONACEAE**

1. *Potamogeton robbinsii*
2. *Potamogeton pectinatus*
3. *Potamogeton filiformis*
- 5. *Potamogeton crispus***
6. *Potamogeton praelongus*
7. *Potamogeton richardsonii*
9. *Potamogeton epihydrus*
10. *Potamogeton alpinus*
11. *Potamogeton amplifolius*
14. *Potamogeton illinoensis*
15. *Potamogeton gramineus*
16. *Potamogeton natans*
18. *Potamogeton zosteriformis*
24. *Potamogeton friesii*
25. *Potamogeton strictifolius*
- P. *Potamogeton x longiligulatus*
26. *Potamogeton confervoides*
27. *Potamogeton obtusifolius*
28. *Potamogeton foliosus*
- 29. *Potamogeton pusillus***
30. *Potamogeton berchtoldii*

PONDWEED FAMILY

Sago Pondweed

Small Pondweed

17. NAJADACEAE

- 4. *Najas flexilis*
- 5. *Naja guadalupensis*

18. JUNCAGINACEA

- 1. Scheuchzeria (Genus)**
- 1. Scheuchzeria palustris**

19. ALISMATACEAE

- 3. *Sagittaria graminea*
- 4. *Sagittaria latifolia*
- 5. Sagittaria cuneata**

21. HYDROCHARITACEAE

- 1. *Vallisneria americana*
- 2. *Elodea Canadensis*

22. GRAMINAE (POACEAE)

1. POEAE (Tribe)

- 1. Phragmites**
 - *1. *Phragmites australis*

2. Dactylis

- *1. *Dactylis glomerata*

9. Poa

- 10. *Poa compressa*
- *11. *Poa pratensis*
- 12. *Poa palustris*

13. Bromus

- *3. *Bromus inermis*
- 8. *Bromus ciliatus*
- 9. Bromus kalmii**

15. Glyceria

- 2. *Glyceria borealis*
- 4. *Glyceria canadensis*
- 6. *Glyceria striata*

2. TRITICEAE (Tribe)

3. Elymus

- 3. *Elymus canadensis*

5. Hystix

- 1. *Hystix patula*

7. Lolium

- *2. *Lolium perenne*

8. Agropyron

- 2. *Agropyron trachycaulum*
- 5. *Agropyron repens*

NAIAD FAMILY

ARROW-GRASS FAMILY

WATER-PLANTAIN FAMILY

Wapato; Duck-potato
Arum-leaved Arrowhead

FROG'S-BIT FAMILY

Tape-grass; wild-celery
Canada Waterweed

GRASS FAMILY

Reed (both native and non-native types)

Orchard Grass
Bluegrass
Canada Bluegrass
Kentucky Bluegrass
Fowl Meadow Grass
Brome Grass
Smooth Brome
Fringed Brome

Manna Grass

Rattlesnake Grass
Foul Manna Grass

Canada Wild Rye

Bottlebrush Grass

Ryegrass

Wheatgrass
Quack Grass

4. AGROSTIDEAE (Tribe)**4. Oryzopsis**4. *Oryzopsis asperifolia***5. Muhlenbergia**1. *Muhlenbergia uniflora*6. *Muhlenbergia glomerata*10. *Muhlenbergia mexicana***7. Phleum***2. *Phleum pratense***14. Calamagrostis**2. *Calamagrostis canadensis***17. Agrostis**2. *Agrostis gigantea*6. *Agrostis hyemalis*

Rice-grass

Rice-grass

Muhly grass

Muhly grass

Marsh Wild-Timothy

Timothy

Reedgrass

Blue-joint

Bentgrass

Redtop

Ticklegrass

5. CHLORIDEAE (Tribe)**7. Spartina**2. *Spartina pectinata*

Cordgrass

6. PHALARIDEAE (Tribe)**3. Phalaris***2. *Phalaris arundinacea*

Reed Canary Grass

8. ZIZANIEAE (Tribe)**1. Zizania**1. *Zizania aquatica*

Wild-rice

9. PANICEAE (Tribe)**3. Echinochloa**3. *Echinochloa muricata***7. Panicum**1. *Panicum virgatum*23. *Panicum boreale*27. *Panicum columbianum*29. *Panicum implicatum* (syn: *Dicanthelium implicatum*) Panic Grass**Panic Grass**

Switch Grass

Northern panic-grass

Panic Grass

10. ANDROPOGONEAE (Tribe)**1. Andropogoneae**2. *Andropogoneae scoparius*(syn. *Schizachyrium scoparium*) Little Bluestem3. *Andropogoneae gerardii* Big Bluestem; Turkeyfoot**SEDGE FAMILY**

Sedge

Cordroot sedge

23. CYPERACEAE**1. Carex (Genus)****5. Chordorrhizae (Group)**5. *Carex chordorrhiza***10. Heleonastes****27. Carex trisperma****28. Carex disperma**

32. Carex canescens L.		
11. Stellulatae (Group)		
33. <i>Carex exilis</i>	Coast Sedge	
38. <i>Carex angustior</i> (syn: <i>carex echinata</i>)		
39. <i>Carex cephalantha</i> (syn: <i>carex echinata</i>)		
40. Carex sterilis		
13. Ovales (Group)		
60. <i>Carex bebbii</i>		
65. <i>Carex crawfordii</i>		
14. Polytrichoidae		
68. <i>Carex leptalea</i>	Slender Sedge	
16. Montanae (Group)		
77. <i>Carex pensylvanica</i>		
22. Paniceae (Group)		
89. <i>Carex livida</i>	Livid Sedge	
33. Carex (Group)		
121. <i>Carex flava</i>		
129. <i>Carex lasiocarpa</i>		
36. Limosae		
132. Carex limosa		
37. Atratae		
134. <i>Carex buxbaumii</i>	Dark scaled Sedge	
38. Acutae (Group)		
139. <i>Carex stricta</i>		
144. <i>Carex crinita</i>		
42. Pseudo-Cypereae (Group)		
148. <i>Carex comosa</i>		
149. <i>Carex pseudo-cyperus</i>		
152. Carex hystericina		
43. Paludosae (Group)		
156. <i>Carex hyalinolepis</i>	Shoreline Sedge	
157. <i>Carex lacustris</i>		
45. Vesicariae (Group)		
161. <i>Carex oligosperma</i>		
162. <i>Carex tuckermanii</i>		
165. <i>Carex rostrata</i> (syn: <i>C. utriculata</i>)		
46. Lupulinae (Group)		
167. <i>Carex intumescens</i>		
3. Dulichium (Genus)		
1. <i>Dulichium arundinaceum</i>	Three-way Sedge	
4. Cyperus		
12. <i>Cyperus odoratus</i>	Nut-grass; Umbrella Sedge	
13. <i>Cyperus esculentus</i>		
5. Eleocharis		
8. <i>Eleocharis acicularis</i>	Spike-rush	
13. <i>Eleocharis elliptica</i>		
16. <i>Eleocharis erythropoda</i>		
17. <i>Eleocharis smallii</i> (syn: <i>E. palustris</i>)		

6. **Rhynchospora****3. Rhynchospora fusca**

4. Rhynchospora alba

White Beak-rush

7. **Cladium**

1. Cladium mariscoides

Twig-rush

11. **Scirpus****1. Scirpus cespitosus (syn:Trichophorum cespitosum)**

3. Scirpus hudsonianus (syn: Trichophorum alpinum)

5. Scirpus validus

Softstem Bulrush

6. Scirpus acutus

Hardstem Bulrush

11. Scirpus americanus

Threesquare

(synonym: Schoenoplectus pungens)

19. Scirpus cyperinus

Wool-grass

14. **Eriophorum**

1. Eriophorum spissum (syn: E. vaginatum)

Cotton-grass; Bog-cotton

2. Eriophorum tenellum

3. Eriophorum gracile

Cotton-grass

4. Eriophorum virginicum

Cotton-grass

5. Eriophorum angustifolium

Slender Cotton-grass

Tawny Cotton-grass

24. ARACEAE

1. Arisaema

1. Arisaema triphyllum

ARUM FAMILY**3. Peltandra**

1. Peltandra virginica

Jack-in-the-pulpit; Indian-turnip

Arrow-arum; Tuckahoe

25. LEMNACEAE

3. Lemna

3. Lemna minor

DUCKWEED FAMILY

27. ERIOCAULACEAE

1. Eriocaulon septangulare

PIPEWORT FAMILY

Pipewort

30. PONTEDERIACEAE

2. Heteranthera

1. Heteranthera dubia

PICKEREL-WEED FAMILY

Water Star-grass

31. JUNCACEAE

2. Juncus

1. Juncus effusus

RUSH FAMILY

14. Juncus pelocarpus

15. Juncus canadensis

17. Juncus brevicaudatus

22. Juncus nodosus

32. LILIACEAE

- 3. Polygonatum**
 - 2. *Polygonatum pubescens*
- 4. Streptopus**
 - 1. *Streptopus amplexifolius*
- 5. Trillium**
 - 6. *Trillium grandiflorum*
 - 9. *Trillium cernuum*
- 6. Medeola**
 - 1. *Medeola virginiana*
- 7. Erythronium**
 - 1. *Erythronium americanum*
- 8. Lilium**
 - 1. *Lilium philadelphicum*
- 11. Clintonia**
 - 1. Clintonia borealis**
- 12. Allium**
 - 4. *Allium schoenoprasum*
- 15. Maianthemum**
 - 1. *Maianthemum canadense*
- 16. Smilacina**
 - 1. *Smilacina racemosa*
 - 2. *Smilacina trifolia*
 - 3. *Smilacina stellata*
- 22. Chamaelirium**
 - 1. *Chamaelirium luteum*

36. IRIDACEAE

- 1. Sisyrinchium**
 - 3. *Sisyrinchium angustifolium*
 - 8. *Sisyrinchium montanum*
- 2. Iris**
 - 6. *Iris versicolor*

39. ORCHIDACEAE

- 1. Cypripedium**
 - 1. *Cypripedium acaule*
- 4. Arethusa**
 - 1. *Arethusa bulbosa*
- 5. Pogonia**
 - 1. *Pogonia ophioglossoides*
- 8. Habenaria**
 - 3. *Habenaria psycodes*
 - 5. *Habenaria lacera*
 - 11. *Habenaria clavellata*
- 9. Corallorrhiza**
 - 1. *Corallorrhiza maculata*

LILY FAMILY

- Solomon-seal
- Twisted-stalk, White Manadarin
- Trillium; Wake-robin
- Common Trillium
- Nodding Trillium
- Indian Cucumber-root
- Trout-lily; Dogtooth-violet; Adder=s-tongue

Wood Lily

Bluebead lily;Corn-lily

Chives

Wild or False Lily-of-the-valley;
 Canada Mayflower
 False Solomon-seal
 False Spikenard

Blazing-star

IRIS FAMILY

Blue-eyed-grass

Iris; Flag
 Wild Blue Flag

ORCHID FAMILY

Lady-slipper
 Moccasin Flower; Pink or Stemless Lady-slipper

Arethusa; Dragon=s Mouth.

Rose Pogonia
 ARein Orchid@
 Purple Fringed Orchid
 Ragged Fringed Orchid
 Club-spur Orchid
 Coral-root
 Spotted Coral-root

2. Corallorrhiza trifida	Early Coral-root
3. Corallorrhiza striata	Striped Coral-root
10. Listera	Twayblade
2. Listera convallariooides	Broad-leaved Twayblade
11. Epipactis	Twayblade
*1. <i>Epipactis helleborine</i>	Helleborine
18. Spiranthes	Ladies'-tresses
1. <i>Spiranthes lacera</i>	Slender Ladies'-tresses
4. <i>Spiranthes romanzoffiana</i>	Hooded Ladies'-tresses

DICOTYLEDONEAE (see *Michigan Flora, Part 2*)**41. SALICAEAE****1. Salix**

- 1. *Salix exigua*
- 3. *Salix eriocephala*
- 5. *Salix pedicellaris*
- 7. *Salix pellita*
- 9. *Salix candida*
- 10. *Salix bebbiana***
- 13. *Salix humilis*
- 21. *Salix pyrifolia***
- 24. *Salix petiolaris*

2. Populus

- 3. *Populus balsamifera*
- 6. *Populus tremuloides*
- 7. *Populus grandidentata*

WILLOW FAMILY

Willow	
Sandbar Willow	
Bog Willow	
Satiny Willow	
Sage Willow	
Beaked or Bebb's Willow	
Prairie Willow	
Balsam Willow	
Slender Willow	
Poplar	
Balsam poplar; Hackmatack	
Quaking Aspen	
Largetooth Aspen	

42. MYRICACAE**1. Comptonia**

- 1. *Comptonia peregrina*

2. Myrica

- 1. *Myrica gale*

BAYBERRY FAMILY

Sweetfern	
Bayberry; Wax-myrtle	
Sweet Gale	

45. BETULACEAE (formerly Corylaceae)**1. Alnus**

- 2. *Alnus rugosa*(syn. *A. Incana*)

2. Betula

- 2. *Betula pumila*
- Betula xsandbergii*
- 4. *Betula papyrifera*

3. Corylus

- 2. *Corlyus cornuta*

5. Ostrya

- 1. *Ostrya virginiana*

BIRCH FAMILY

Alder	
Speckled Alder; Tag Alder	
Birch	
Bog or Dwarf Birch	
Hybrid Birch	
Paper, White, or Canoe Birch	
Hazel	
Beaked Hazelnut	
Hazel	
Ironwood, Hop-hornbeam	

46. FAGACEAE**1. Quercus**

- 3. *Quercus rubra*
- 7. *Quercus macrocarpa*

2. Fagus

- 1. *Fagus grandifolia*

47. ULMACEAE**1. Ulmus**

- 3. *Ulmus americana*

49. CANNABACEAE**2. Humulus**

- 2. *Humulus lupulus*

54. POLYGONACEAE**2. Rumex**

- 1. *Rumex acetosella*
- 11. *Rumex orbiculatus*

5. Polygonum

- 12. *Polygonum ciliinode*
- 16. *Polygonum amphibium*
- 16. (a) *P.a. var. natans*
- 16. (b) *P.a. var. coccineum*
- 18. *Polygonum lapathifolium*
- 20. *Polygonum orientale*
- 23. *Polygonum hydropiperoides*

55. CHENOPodiACEAE**9. Chenopodium**

- 9. *Chenopodium capitatum*

60. PORTULACACEAE**2. Claytonia**

- 2. *Claytonia caroliniana*

61. CARYOPHYLLACEAE**6. Stellaria**

- 5. *Stellaria longifolia*

7. Cerastium

- 6. *Cerastium vulgatum*
(see *C. fontanum*)

13. Dianthus

- 4. *Dianthus deltoides*

17. Silene

- *4. *Silene cucubalus*
(see *S. vulgaris*)

11. *Silene pratensis* (Synonym: *S. latifolia*) White Campion (see *Lychnis alba* below)

BEECH FAMILY

- Oak
- Red Oak
- Bur Oak

- Beech
- American Beech

ELM FAMILY

- Elm
- American or White Elm

HEMP FAMILY

- Common Hops

SMARTWEED FAMILY

- Dock
- Sheep or Red Sorrel
- Great Water Dock
- Smartweed; Knotweed
- Fringed False Buckwheat
- Water Smartweed
- (see var. *stipulaceum*)
- (see var. *emersum*)
- Willow-weed
- Prince's Feather;
- Kiss-me-over-the-garden-gate
- Mild Water-pepper

GOOSEFOOT FAMILY

- Goosefoot
- Strawberry Blite

PURSLANE FAMILY

- Spring-beauty

PINK FAMILY

- Chickweed; Stitchwort

Chickweed

- Mouse-ear Chickweed

Pink

- Maiden Pink

Bladder Campion

18. Lychnis

- *1. *Lychnis alba* White Cockle; White Campion
(see *Silene pratensis* synonym *Silene latifolia*)

62. CERATOPHYLLACEAE**1. Ceratophyllum**

- 1. *Ceratophyllum demersum*

63. NYMPHAEACEAE**2. Brasenia**

- 1. *Brasenia schreberi*

4. Nymphaea

- 2. *Nymphaea odorata*

5. Nuphar

- 2. *Nuphar variegata*

64. RANUNCULACEAE**1. Clematis**

- 1. *Clematis occidentalis*
- 2. *Clematis virginiana*

2. Aquilegia

- 1. *Aquilegia canadensis*

5. Thalictrum

- 4. *Thalictrum dasycarpum*

7. Actaea

- 1. *Actaea rubra*
- 2. *Actaea pachypoda*

8. Coptis

- 1. *Coptis groenlandica*
(syn: *C. trifolia*)

9. Hepatica

- 2. *Hepatica americana*

11. Ranunculus

- 11. *Ranunculus abortivus*
- *15. *Ranunculus acris*

71. PAPAVERACEAE**FUMARIACEAE**

(often included as a subfamily in the Papaveraceae)

1. Dicentra

- 2. *Dicentra cucullaria*
- 3. *Dicentra canadensis*

HORNWORT FAMILY

Coontail

WATER-LILY FAMILY

Water-shield

Water-lily

Pond-lily; Cow-lily; Spatterdock

BUTTERCUP FAMILY

Virgin=s Bower; Clematis; Woodbine
Purple Virgin's Bower

Columbine

Wild Columbine

Meadow-rue

Purple Meadow-rue

Baneberry

Red Baneberry

White Baneberry

Goldthread

Hepatica

Buttercup; Crowfoot

Small-flowered Buttercup

Tall or Common Buttercup

POPPY FAMILY**FUMITORY FAMILY**

Dutchman=s-breeches

Squirrel-corn

73. CRUCIFERAE (BRASSICACEAE)**3. Barbarea**1. *Barbarea vulgaris***8. Rorippa**3. *Rorippa islandica*(see *R. palustris*)**14. Erysimum**2. *Erysimum cheiranthoides***20. Capsella***1. *Capsella bursa-pastoris***21. Arabis**6. *Arabis glabra***25. Berteroа**1. *Berteroа incana***75. SARRACENIACEAE****1. Sarracenia**1. *Sarracenia purpurea***76. DROSERACEAE****1. Drosera**1. *Drosera rotundifolia***3. Drosera intermedia****4. Drosera anglica****78. CRASSULACEAE****1. Sedum***4. *Sedum purpureum*
(see *S. telephium*)**79. SAXIFRAGACEAE****GROSSULARIACEAE**

(Often included in the Saxifragaceae)

1. Ribes1. *Ribes cynosbati*2. *Ribes hirtellum*9. *Ribes glandulosum***9. Ribes triste****82. ROSACEAE****1. Rubus**4. *Rubus pubescens*6. *Rubus strigosus(-idaeus)*8. *Rubus hispida*9. *Rubus flagellaris*11. *Rubus allegheniensis***MUSTARD FAMILY**

Winter Cress

Yellow Rocket

Yellow Cress

Wormseed Mustard

Shepherd=s-purse

Tower Mustard

Hoary Alyssum

PITCHER-PLANT FAMILY

Pitcher-plant

SUNDEW FAMILY

Sundew

Round-leaved Sundew

ORPINE FAMILY

Stonecrop; Sedum; Orpine

Live-forever

SAXIFRAGE FAMILY**GOOSEBERRY FAMILY**

Currant; Gooseberry

Wild or Prickly Gooseberry

Swamp Gooseberry

Skunk Currant

Swamp Red Currant**ROSE FAMILY**

Bramble; Raspberries; Dewberries; Blackberries

Dwarf Raspberry

Wild Red Raspberry

Swamp Dewberry

Northern Dewberry

Common Blackberry

2. Rosa		
*1. <i>Rosa multiflora</i>	Multiflora or Japanese Rose	
9. <i>Rosa palustris</i>	Swamp Rose	
13. <i>Rosa acicularis</i>	Wild Rose	
14. <i>Rosa blanda</i>	Wild Rose	
4. Sorbus	Mountain-ash	
3. <i>Sorbus americana</i>		
5. Prunus		
1. <i>Prunus serotina</i>	Cherry; Plum	
2. <i>Prunus virginiana</i>	Wild Black Cherry	
5. <i>Prunus pumila</i>	Choke Cherry	
7. <i>Prunus pensylvanica</i>	Sand Cherry	
	Pin or Fire Cherry	
6. Physocarpus		
1. <i>Physocarpus opulifolius</i>	Ninebark	
7. Spiraea		
3. <i>Spiraea tomentosa</i>	Spiraea	
4. <i>Spiraea alba</i>	Hardhack; Steeplebush	
8. Aronia	Meadowsweet	
1. <i>Aronia prunifolia</i>		
9. Amelanchier	Serviceberry; Shadblow; Shadblow; Juneberry; Sugarplum	
4. <i>Amelanchier interior</i>		
10. Crataegus		
4. <i>Crataegus douglasii</i>	Hawthorn, Thornapple	
11. Malus	Black Hawthorn	
1. <i>Malus pumila</i>	Apple	
17. Fragaria	Apple	
1. <i>Fragaria vesca</i>	Strawberry	
18. Potentilla	Woodland Strawberry	
1. <i>Potentilla fruticosa</i> (name change Dasiphora fruticosa)	Cinquefoil; Five-finger	
2. <i>Potentilla palustris</i>	Shrubby Cinquefoil	
3. <i>Potentilla anserina</i>	Marsh Cinquefoil	
8. <i>Potentilla tridentata</i>	Silverweed	
9. <i>Potentilla norvegica</i>	Three-toothed Cinquefoil	
10. <i>Potentilla simplex</i>	Rough Cinquefoil	
*12. <i>Potentilla argentea</i>	Common or Old-field Cinquefoil	
	Silvery Cinquefoil	
21. Geum		
7. <i>Geum macrophyllum</i>	Avens	
83. LEGUMINOSAE (FABACEAE)		
3. Melilotus		
*1. <i>Melilotus alba</i>	Sweet-clover	
*2. <i>Melilotus officinalis</i>	White Sweet-clover	
4. Trifolium	Yellow Sweet-clover	
3. <i>Trifolium pratense</i>	Clover	
*6. <i>Trifolium repens</i>	Red Clover	
8. <i>Trifolium agrarium</i>	White Clover	
(see <i>T. aureum</i>)	Hop Clover	
5. Medicago		
	PEA FAMILY	
	Sweet-clover	
	White Sweet-clover	
	Yellow Sweet-clover	
	Clover	
	Red Clover	
	White Clover	
	Hop Clover	

2. <i>Medicago lupulina</i>	Black Medick
25. <i>Lathyrus</i>	
4. <i>Lathyrus palustris</i>	Marsh Pea
26. <i>Vicia</i>	Vetch
8. <i>Vicia villosa</i>	Hairy Vetch
29. <i>Lotus</i>	Bird's Foot Trefoil
*1. <i>Lotus corniculata</i>	
85. OXALIDACEAE	OXALIS or WOOD-SORREL FAMILY
1. <i>Oxalis</i>	
3. <i>Oxalis fontana</i>	
86. GERANIACEAE	GERANIUM FAMILY
2. <i>Geranium</i>	Wild Geranium; Crane=s-bill
3. <i>Geranium robertianum</i>	Herb Robert
91. POLYGALACEAE	MILKWORT FAMILY
1. <i>Polygala</i>	Milkwort; Polygala
1. <i>Polygala paucifolia</i>	Fringed Polygala; Gay-wings; Flowering-wintergreen
92. EUPHORBIACEAE	SPURGE FAMILY
4. <i>Euphorbia</i>	
*18. <i>Euphorbia esula</i>	Leafy Spurge
97. ANACARDIACEAE	CASHEW FAMILY
1. <i>Toxicodendron</i>	
2. <i>Toxicodendron radicans</i>	Poison-ivy
99. AQUIFOLIACEAE	HOLLY FAMILY
1. <i>Nemopanthus</i>	
1. <i>Nemopanthus mucronatus</i> <i>(synonym: Ilex mucronata)</i>	Mountain Holly
2. <i>Ilex</i>	Holly
1. <i>Ilex verticillata</i>	Michigan Holly; Winterberry; Black Alder
100. CELASTRACEAE	BITTERSWEET FAMILY
2. <i>Euonymus</i>	
2. <i>Euonymus alata</i>	Winged Euonymus
102. ACERACEAE (syn: SAPINDACEAE)	MAPLE FAMILY
1. <i>Acer</i>	Maple
3. <i>Acer saccharum</i>	Sugar Maple or Hard Maple
5. <i>Acer rubrum</i>	Red Maple
105. BALSAMINACEAE	TOUCH-ME-NOT FAMILY
1. <i>Impatiens</i>	
4. <i>Impatiens capensis</i>	Spotted Touch-me-not

106. RHAMNACEAE

2. **Rhamnus**

*1. *Rhamnus frangula*
(now *Frangula alnus*)

2. **Rhamnus alnifolia**

107. VITACEAE

3. **Parthenocissus**

2. *Parthenocissus inserta*

108. TILIACEAE

1. **Tilia**

1. *Tilia americana*

109. MALVACEAE

3. **Malva**

*2. *Malva moschata*

111. GUTTIFERAE (CLUSIACEAE)

1. **Triadenum**

1. *Triadenum fraseri*

2. **Hypericum**

2. *Hypericum kalmianum*
*6. *Hypericum perforatum*

7. *Hypericum ellipticum*
10. *Hypericum boreale*
11. *Hypericum canadense*
12. *Hypericum majus*

114. CISTACEAE

2. **Helianthemum**

2. *Helianthemum canadense*

115. VIOLACEAE

2. **Viola**

3. *Viola canadensis*
7. *Viola conspersa*
9. *Viola lanceolata*
11. *Viola pallens*
(see *V. macloskeyi*)
22. *Viola nephrophylla*

119. THYMELAEACEAE

1. **Dirca**

1. *Dirca palustris*

BUCKTHORN FAMILY

Buckthorn
Glossy Buckthorn

Alder-leaved Buckthorn

GRAPE FAMILY

Virginia Creeper; Woodbine

LINDEN FAMILY

Basswood; Linden

MALLOW FAMILY

Mallow
Musk Mallow

ST. JOHN=S-WORT FAMILY

St. Johns-wort
Kalm St. Johns-wort
Common St. Johns-wort;
Klamath Weed; Goatweed

Canadian St. Johns-wort

ROCKROSE FAMILY

Rockrose; Frostweed

VIOLET FAMILY

Violet
Canada Violet
Dog Violet
Lance-leaved Violet
Smooth White Violet

MEZEREUM FAMILY

Leatherwood

120. ELAEAGNACEAE

1. *Elaegnus*

- *1. *Elaegnus angustifolia*
- *2. *Elaegnus umbellata*

121. LYTHRACEAE

4. *Lythrum*

- *1. *Lythrum salicaria*

125. ONAGRACEAE

1. *Circaeaa*

- 1. *Circaeaa alpine*
- 2. *Circaeaa lutetiana*

2. *Ludwigia*

- 1. *Ludwigia palustris*

3. *Epilobium*

- 1. *Epilobium angustifolium*
- 7. *Epilobium ciliatum*

6. *Oenothera*

- 1. *Oenothera perennis*
- 3. *Oenothera linearis*
(now *O. fruticosa*)
- 9. *Oenothera parvifolia*
- 12. *Oenothera biennis*

126. HALORAGACEAE

1. *Proserpinaca*

- 2. *Proserpinaca palustris*

2. *Myriophyllum*

- 2. *Myriophyllum tenellum*
- 2. *Myriophyllum farwellii*
- 5. *Myriophyllum verticillatum*
- 6. *Myriophyllum exalbescens*

128. ARALIACEAE

2. *Panax*

- 2. *Panax trifolius*

3. *Aralia*

- 2. *Aralia nudicaulis*
- 3. *Aralia hispida*

129. UMBELLIFERAE (APIACEAE)

6. *Daucus*

- *1. *Daucus carota*

9. *Osmorhiza*

- 3. *Osmorhiza longistylis*
- 4. *Osmorhiza claytonii*

OLEASTER FAMILY

- Russian Olive
Autumn Olive

LOOSESTRIFE FAMILY

- Loosestrife
Purple Loosestrife

EVENING-PRIMROSE FAMILY

- Enchanter=s-nightshade

False Loosestrife

- Water-purslane
Willow-herb
Fireweed; Great Willow-herb

Evening-primrose; Sundrops

- Small Sundrops
Evening-primrose; Sundrops
(see *Gray=s Manual*, p. 1066)

WATER-MILFOIL FAMILY

Mermaid-weed

- Water-milfoil

Farwell's water-milfoil

GINSENG FAMILY

- Ginseng
Dwarf Ginseng

Wild Sarsaparilla

- Bristly Sarsaparilla

CARROT OR PARSLEY FAMILY

- Wild Carrot; Queen-Anne=s-lace
Sweet-cicely

- Sweet-cicely

12. Pastinaca***1. Pastinaca sativa****33. Cicuta**1. *Cicuta bulbifera***Wild parsnip****130. CORNACEAE****1. Cornus**

1. *Cornus canadensis*
2. *Cornus alternifolia*
5. *Cornus rugosa*
6. *Cornus stolonifera*

DOGWOOD FAMILY

- Dogwood
Bunchberry; Dwarf Cornel
Alternate-leaved Dogwood; Pagoda Dogwood
Round-leaved Dogwood
Red-osier

DICOTYLEDONEAE (see *Michigan Flora, Part 3*)**132. PYROLACEAE (now included in Ericaceae)****1. Pyrola**

2. *Pyrola elliptica*
- 4. Pyrola rotundifolia**
(synonym: Pyrola Americana)
5. *Pyrola asarifolia*

SHINLEAF OR WINTERGREEN FAMILY

- Shinleaf; Pyrola
Large-leaved Shinleaf
Round-leaved Pyrola
Pink Shinleaf, Pink Pyrola
One-sided Shinleaf

MONOTROPACEAE

(often included in the Pyrolaceae or as a subspecies in the Ericaceae)

2. Monotropa

2. *Monotropa uniflora*

INDIAN-PIPE FAMILY

- Indian-pipe

133. ERICACEAE**2. Kalmia**

1. *Kalmia polifolia*

HEATH FAMILY

- Pale or Bog Laurel

3. Andromeda

1. *Andromeda glaucophylla*

- Bog-rosemary

4. Ledum (now included in rhododendron)

1. *Ledum groenlandicum*
(synonym: Rhododendron groenlandicum)

- Labrador-tea

5. Chamaedaphne

1. *Chamaedaphne calyculata*

- Leatherleaf

6. Gaylussacia

1. *Gaylussacia baccata*

- Huckleberry; Crackleberry

7. Vaccinium

2. *Vaccinium oxycoccus*
3. *Vaccinium macrocarpon*
9. *Vaccinium myrtilloides*
11. *Vaccinium angustifolium*

- Blueberries and Cranberries
Small Cranberry
Large Cranberry
Velvetleaf or Canada Blueberry
Low Sweet Blueberry

8. Epigaea

1. *Epigaea repens*

- Trailing-arbutus

9. Gaultheria

- 1. Gaultheria hispida**
- 2. Gaultheria procumbens

10. Arctostaphylos

- 1. Arctostaphylos uva-ursi

135. PRIMULACEAE

5. Lysimachia

- 5. Lysimachia terrestris
- 6. Lysimachia thyrsiflora

6. Trientalis

- 1. Trientalis borealis

141. OLEACEAE

1. Fraxinus

- 2. Fraxinus nigra
- 3. Fraxinus americana
- 5. Fraxinus pennsylvanica

143. GENTIANACEAE

6. Gentianaceae

- 1. Gentianaceae crinita

8. Gentiana

- 6. Gentiana rubricaulis

144. APOCYNACEAE

2. Apocynum

- 1. Apocynum androsaemifolium
- 2. Apocynum cannabinum

MENYANTHACEAE

(Lumped into APOCYNACEA in Grays Manual of Botany, separated in Voss)

1. Menyanthes

- 1. Menyanthes trifoliata**

145. ASCLEPIADACEAE

2. Asclepias

- 7. Asclepias incarnata
- 11. Asclepias syriaca

146. CONVOLVULACEAE

2. Convolvulus

- 1. Convolvulus arvensis

150. VERBENACEAE

3. Verbena

- 7. Verbena hastata

Creeping Snowberry

Teaberry; Wintergreen

Bearberry; Kinnikinnick

PRIMROSE FAMILY

Loosestrife

Swamp-candles

Tufted Loosestrife

Star-flower

OLIVE FAMILY

Ash

Black Ash

White Ash

Red or Green Ash

GENTIAN FAMILY

Red Stemed Gentian

DOGBANE FAMILY

Dogbane

Spreading Dogbane

Indian-hemp

BUCKBEAN FAMILY

(Lumped into APOCYNACEA in Grays Manual of Botany, separated in Voss)

Buckbean; Bogbean

MILKWEED FAMILY

Milkweed

Swamp Milkweed

Common Milkweed

MORNING-GLORY FAMILY

Field Bindweed

VERVAIN FAMILY

Vervain

Blue Vervain

151. LABIATAE (LAMIACEAE)

3. *Lycopus*

- 1. *Lycopus uniflorus*
- 6. *Lycopus americanus*

6. *Mentha*

- 1. *Mentha arvensis*(syn. *M. canadensis*)

9. *Scutellaria*

- 5. *Scutellaria epilobiifolia*
(syn: *S. galericulata*)

10. *Monarda*

- 3. *Monarda fistulosa*

17. *Prunella*

- *1. *Prunella vulgaris*

18. *Clinopodium*

- 1. *Clinopodium vulgare*

20. *Stachys*

- 3. *Stachys palustris*

22. *Nepeta*

- *1. *Nepeta cataria*

26. *Galeopsis*

- 1. *Galeopsis tetrahit*

152. SOLANACEAE

5. *Solanum*

- 2. *Solanum carolinense*
- 3. *Solanum dulcamara*

153. SCROPHULARIACEAE

1. *Verbascum*

- *5. *Verbascum thapsus*

5. *Linaria*

- *4. *Linaria vulgaris*

7. *Castilleja*

- 2. *Castilleja coccinea*

17. *Chelone*

- 2. *Chelone glabra*

19. *Veronica*

- 5. *Veronica scutellata*

27. *Gerardia* (see *Agalinis*)

- 2. *Agalinis tenuifolia*

28. *Mimulus*

- 2. *Mimulus ringens*

157. LENTIBULARIACEAE

2. *Utricularia*

- 3. *Utricularia cornuta*
- 6. *Utricularia intermedia*
- 8. *Utricularia gibba*

MINT FAMILY

Bugleweed; Water-horehound

Water Horehound

Mint

Wild Mint

Skullcap

Marsh Skullcap

Wild Bergamot

Self-heal; Heal-all

Wild-basil

Hedge-nettle

Catnip; Catmint

Hemp-nettle

NIGHTSHADE FAMILY

Horse-nettle

Nightshade; Bittersweet

SNAPDRAGON FAMILY

Mullien

Mullien; Flannel Plant

Toadflax

Butter-and-eggs

Indian Paintbrush

Turtlehead

Speedwell; Brooklime

Marsh Speedwell

Gerardia

Monkey-flower

BLADDERWORT FAMILY

Bladderwort

Horned Bladderwort

Flat-leaved Bladderwort

9. <i>Utricularia geminiscapa</i>	Common Bladderwort
10. <i>Utricularia vulgaris</i>	
160. PLANTAGINACEAE	PLANTAIN FAMILY
2. Plantago	Plantain
5. <i>Plantago lanceolata</i>	Ribgrass; Buckhorn; Narrow-leaved or English Plantain
*9. <i>Plantago major</i>	Common Plantain
161. RUBIACEAE	MADDER FAMILY
3. Galium	Bedstraw
3. <i>Galium triflorum</i>	Northern Bedstraw
6. <i>Galium boreale</i>	Rough Bedstraw
14. Galium asprellum	Labrador Bedstraw
16. <i>Galium labradoricum</i>	
18. <i>Galium trifidum</i>	
20. <i>Galium tinctorium</i>	
4. Mitchella	Partridge-berry
1. <i>Mitchella repens</i>	
162. CAPRIFOLIACEAE	HONEYSUCKLE FAMILY
2. Symphoricarpos	Snowberry
3. <i>Symphoricarpos albus</i>	Snowberry
3. Lonicera	Honeysuckle
5. <i>Lonicera dioica</i>	Glaucous Honeysuckle
*12. <i>Lonicera tatarica</i>	Tartarian Honeysuckle
4. Sambucus	Elderberry
1. <i>Sambucus canadensis</i>	Common Elder
2. <i>Sambucus racemosa</i>	Red-berried Elder; Red Elderberry
5. Viburnum	Viburnum; Arrow-wood
1. <i>Viburnum trilobum-opulus</i> (see V. opulus)	Highbush-cranberry; Guelder-rose
6. <i>Viburnum dentatum</i>	Arrow-wood
8. <i>Viburnum cassinoides</i>	Wild-raisin
10. <i>Viburnum lentago</i>	Nannyberry
6. Linnaea	Twinflower
1. <i>Linnaea borealis</i>	
7. Diervilla	Bush-honeysuckle
1. <i>Diervilla lonicera</i>	
166. CUCURBITACEAE	GOULD FAMILY
4. Echinocystis	Wild Cucumber
1. <i>Echinocystis lobata</i>	
167. CAMPANULACEAE	BELLFLOWER FAMILY
2. Campanula	Bellflower
3. <i>Campanula aparinoides</i>	Marsh Bellflower
C. <i>uliginosa</i> (same as above)	

168. COMPOSITAE (ASTERACEAE)

ASTER OR DAISY FAMILY

Group A

- 8. **Tragopogon**
 - 2. *Tragopogon dubius*
(*T. major* included in above)
 - 3. *Tragopogon pratensis*
- 11. **Hieracium**
 - *3. *Hieracium aurantiacum*
 - 4. *Hieracium florentinum*
(see *H. piloselloides*)
 - 6. *Hieracium venosum*
- 13. **Sonchus**
 - *1. *Sonchus arvensis*
- 16. **Lactuca**
 - 6. *Lactuca serriola*

Goat=s-beard

- Hawkweed
- Orange Hawkweed; Devil=s-paintbrush
- King Devil; Yellow Hawkweed
- Rattlesnake-weed; Veined Hawkweed
- Sow-thistle
- Field or Perennial Sow-thistle
- Prickly Lettuce

Group B

- 17. **Megalodonta**
 - 1. *Megalodonta beckii*
- 20. **Bidens**
 - 1. *Bidens cernuus*

Water-marigold
Beggar-ticks
Nodding Beggar-ticks

Group B

- 26. **Chrysanthemum**
 - *1. *Chrysanthemum leucanthemum*
- 27. **Achillea**
 - 3. *Achillea lanulosa*
(see *A. millefolium*)
- 28. **Tanacetum**
 - 2. *Tanacetum huronense*
- 35. **Bellis**
 - 1. *Bellis perennis*
- 42. **Helianthus**
 - 7. *Helianthus maximilianii*
- 50. **Rudbeckia**
 - 5. *Rudbeckia hirta*

Chrysanthemum
Ox-eye Daisy
Yarrow
Yarrow; Milfoil

- Tansy
Lake Huron Tansy; Agolden buttons@
- English Daisy
- Maximilian Sunflower
Coneflower; Rudbeckia
Black-eyed Susan

Group C

- 55. **Eupatorium**
 - 1. **Eupatorium maculatum**
(synonym: Eutrochium maculatum)
 - 4. *Eupatorium perfoliatum*
- 56. **Senecio**
 - 9. *Senecio pauperulus*
- 58. **Euthamia**
 - 1. *Euthamia graminifolia*

Joe Pye Weed

- Boneset
- Northern Ragwort
- Flat-topped, Bushy, or Grass-leaved Goldenrod
(see Voss=description of Solidago, p.460)

59. Solidago	Goldenrod
1. Solidago graminifolia	(see <i>Euthamia graminifolia</i>)
9. Solidago gigantean	Late Goldenrod
10. Solidago canadensis	Canada Goldenrod
11. Solidago altissima	Tall Goldenrod
13. Solidago rugosa	Rough-leaved Goldenrod
19. Solidago hispida	Hairy Goldenrod
20. Solidago uliginothujasa	Bog Goldenrod
65. Erigeron	Fleabane
7. Erigeron strigosus	Daisy Fleabane
66. Aster	Aster
2. Aster macrophyllus	Large- or Big-leaved Aster
9. Aster laevis	Smooth Aster
10. Aster puniceus var.firmus	Swamp Aster
(name change to two species <i>Syphyotrichum firmum</i> and <i>S. punicum</i>)	
12. Aster novae-angliae	New England Aster
18. Aster nemoralis	Bog Aster
(synonym: <i>Oclemena nemoralis</i>)	
19. Aster umbellatus	Flat-topped Aster
21. Aster pilosus	Frost Aster
27. Aster borealis (syn: <i>Symphyotrichum boreale</i>)	Rush Aster
28. Aster lanceolatus	Panicled Aster
67. Arctium	Burdock
2. Arctium minus	Common Burdock
68. Centaurea	Star-thistle; Knapweed
*2. Centaurea maculosa	Spotted Knapweed
3. Centaurea diffusa	White-flower or Tumble Knapweed
71. Carduus	Plumeless Thistle
1. Carduus nutans	Nodding or Musk Thistle
72. Cirsium	Thistle
1. Cirsium palustre	Marsh or European Swamp Thistle
2. Cirsium vulgare	Bull Thistle
4. Cirsium muticum	Swamp Thistle
*5. Cirsium arvense	Canada or Field Thistle

Group C

75. Anaphalis	Pearly Everlasting
1. Anaphalis margaritacea	Cudweed
76. Gnaphalium	Clammy Cudweed
4. Gnaphalium macounii	
80. Conyza	Horseweed
1. Conyza canadensis	